

FIG. 1a

FIG. 1b

2/19

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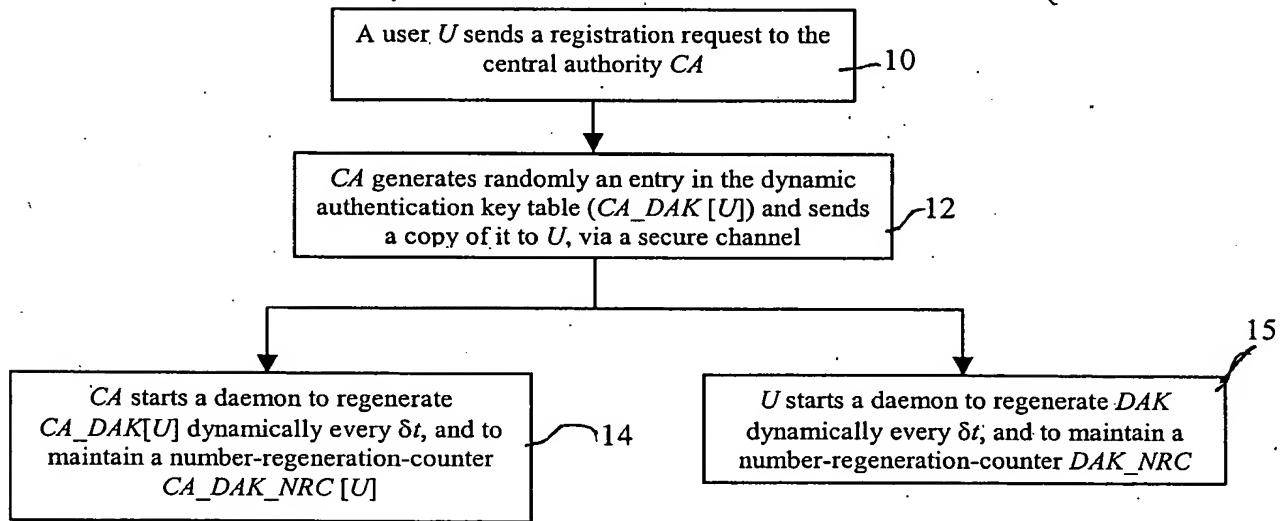


FIG. 2

3/19

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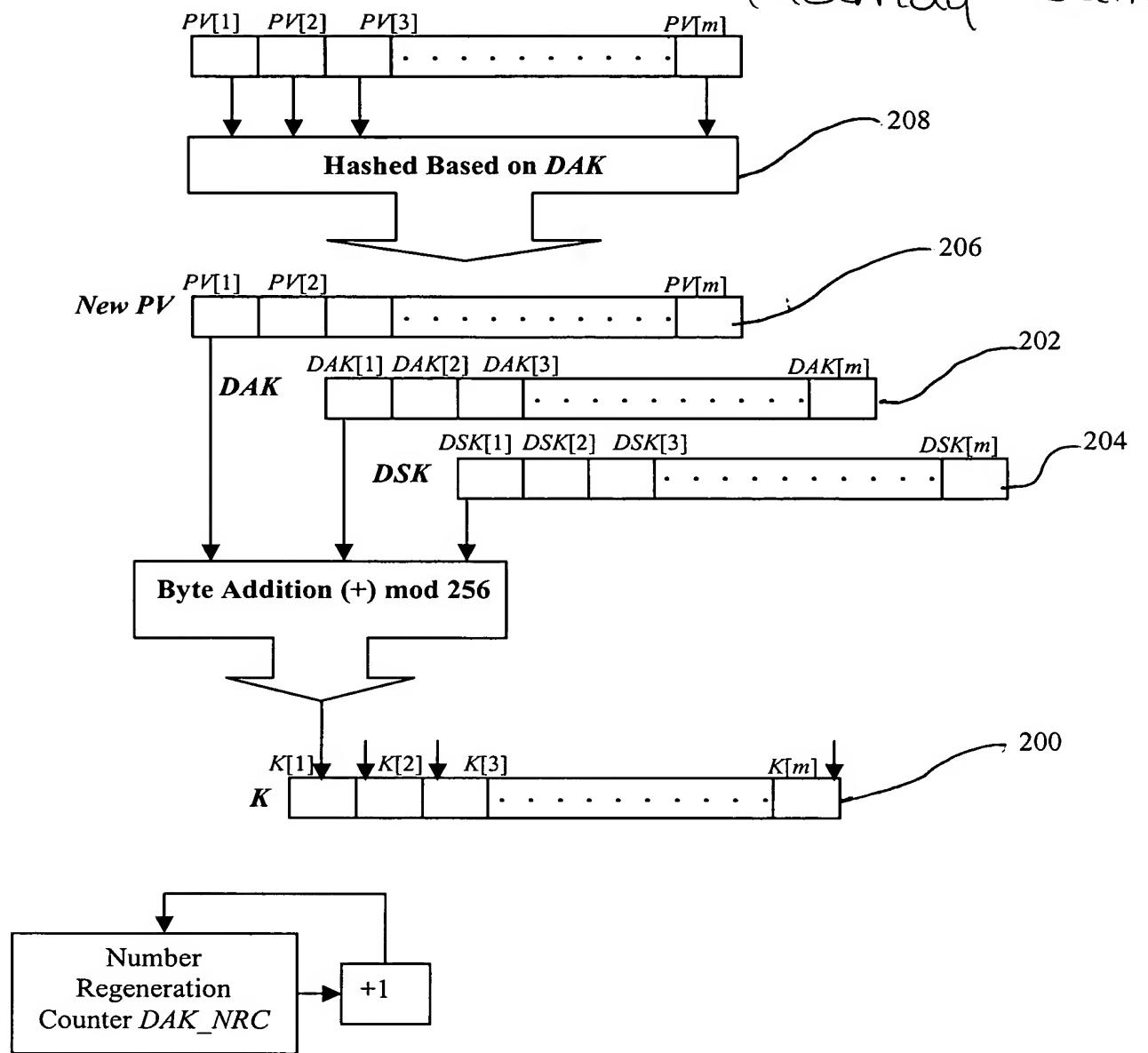


FIG. 3a

4/19

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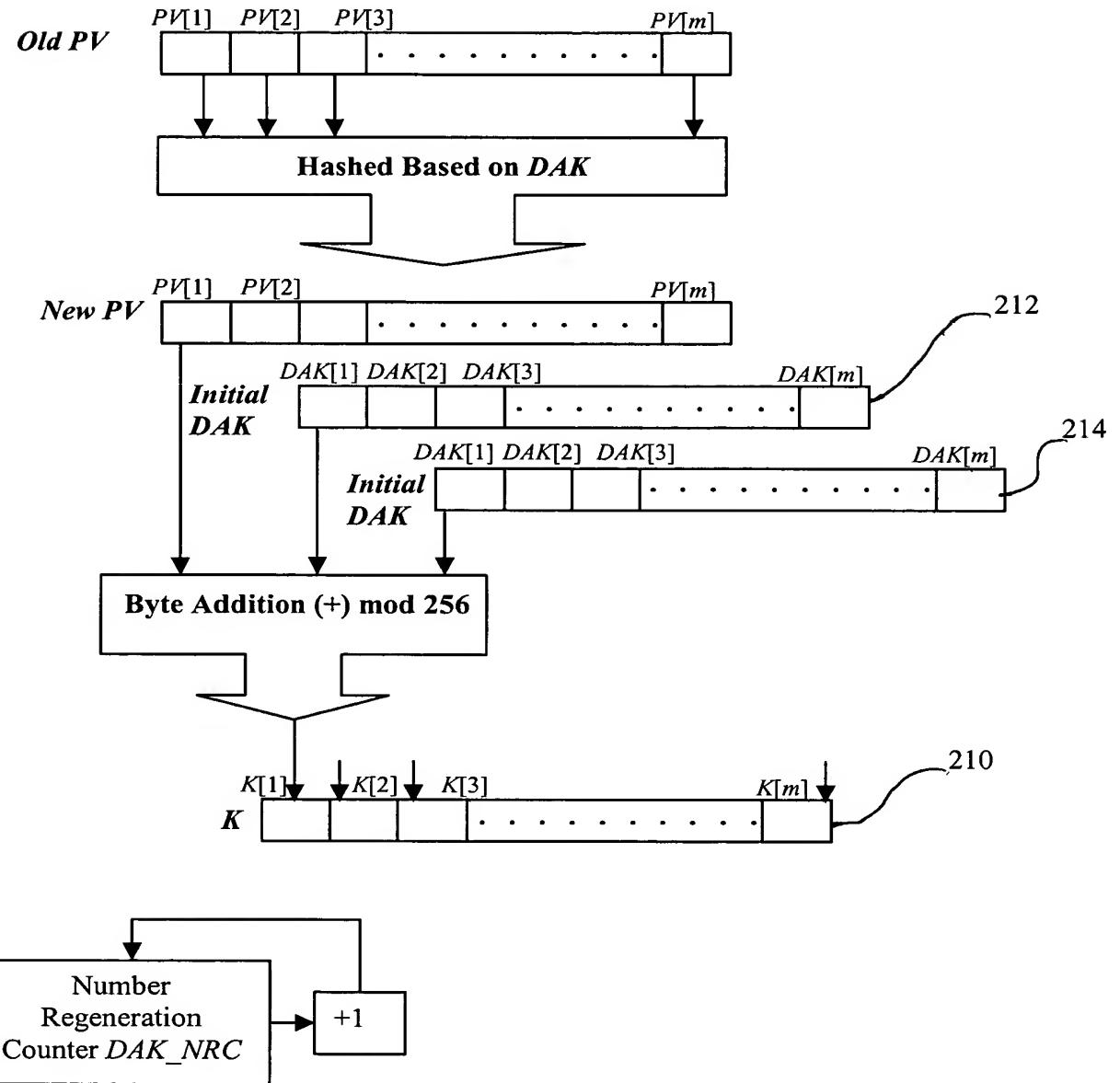


FIG. 3b

Old PV

5/19

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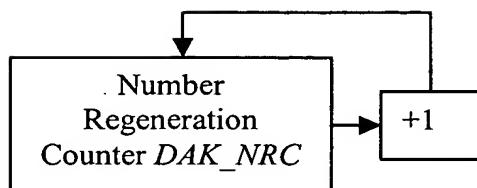
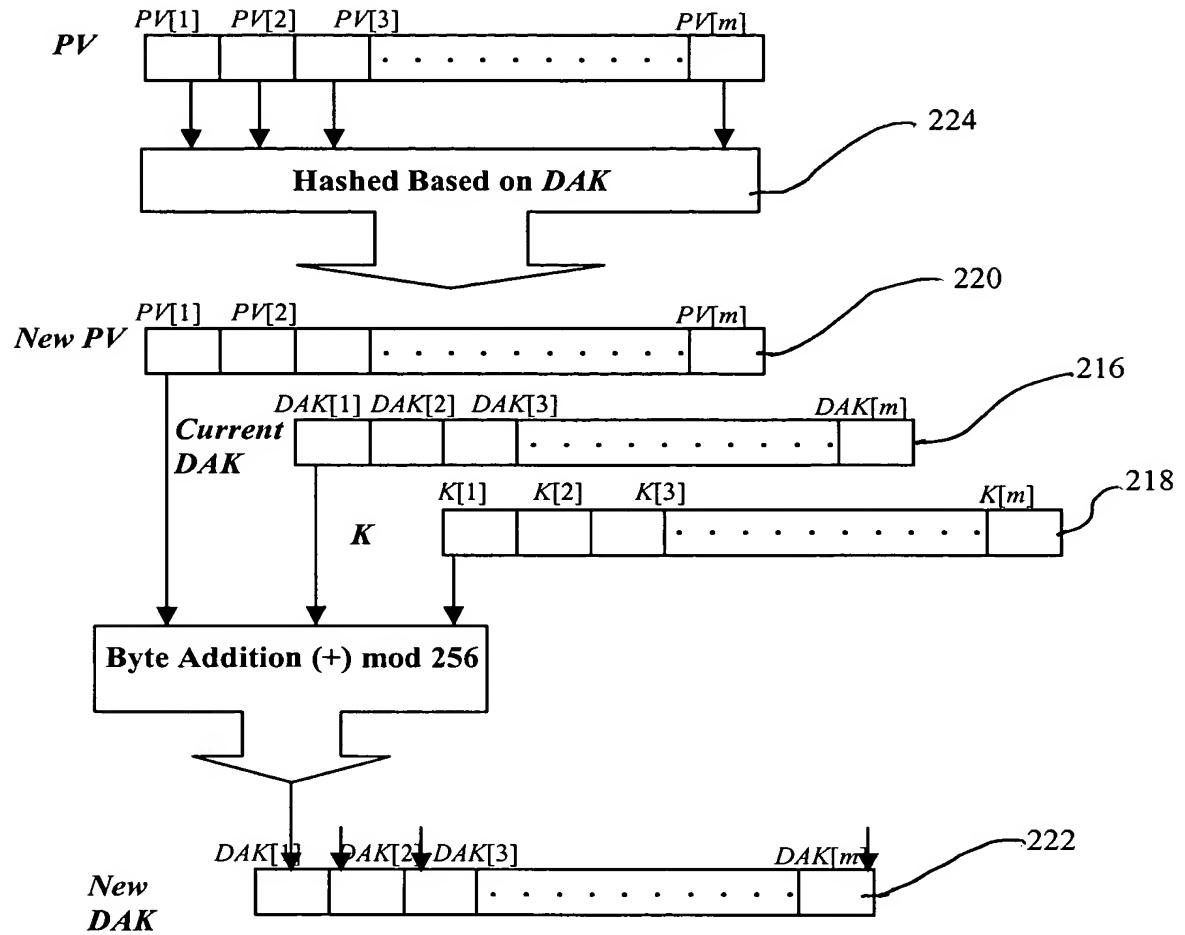


FIG. 4

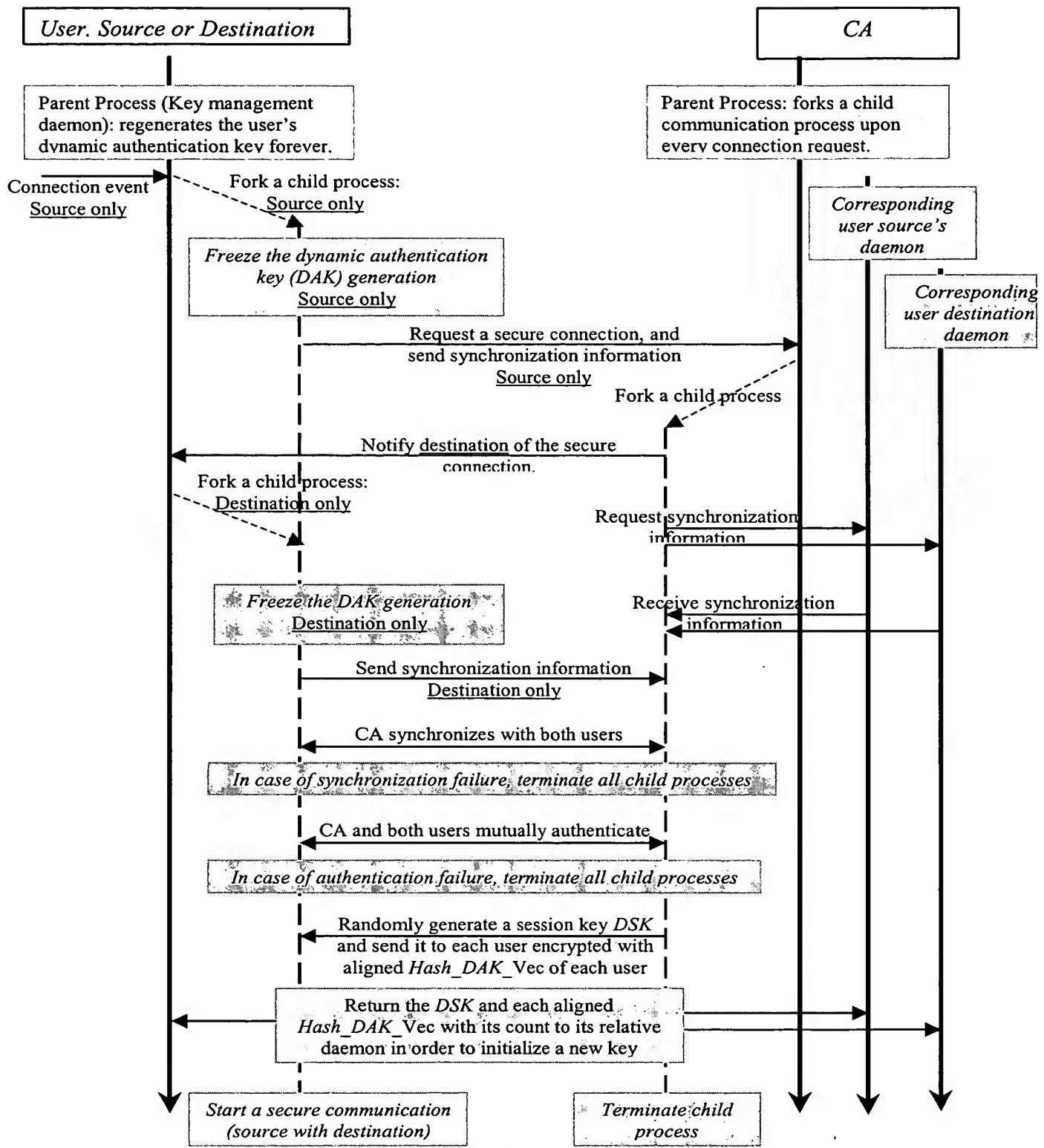


FIG. 5

7 | 19

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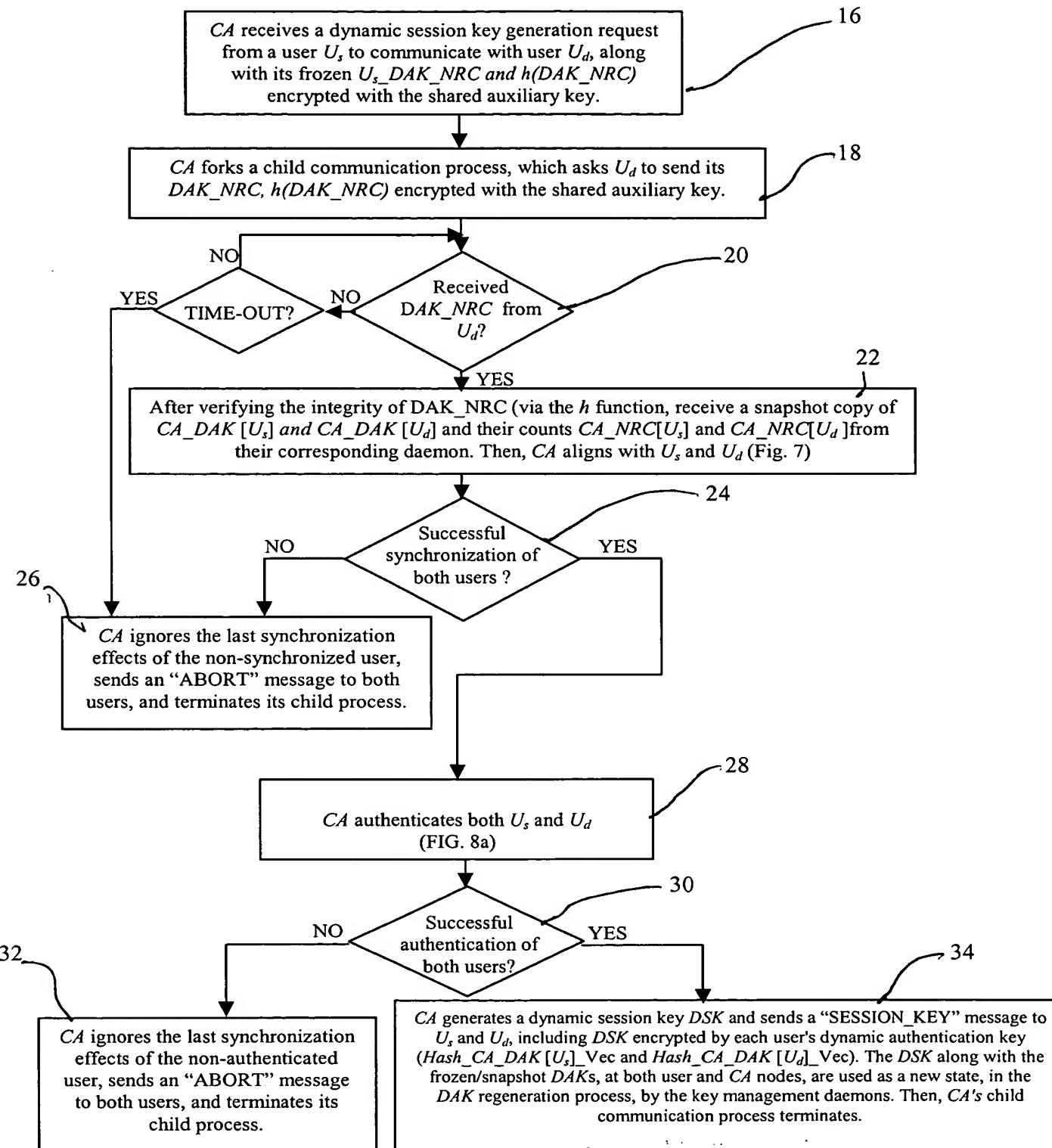


FIG. 6

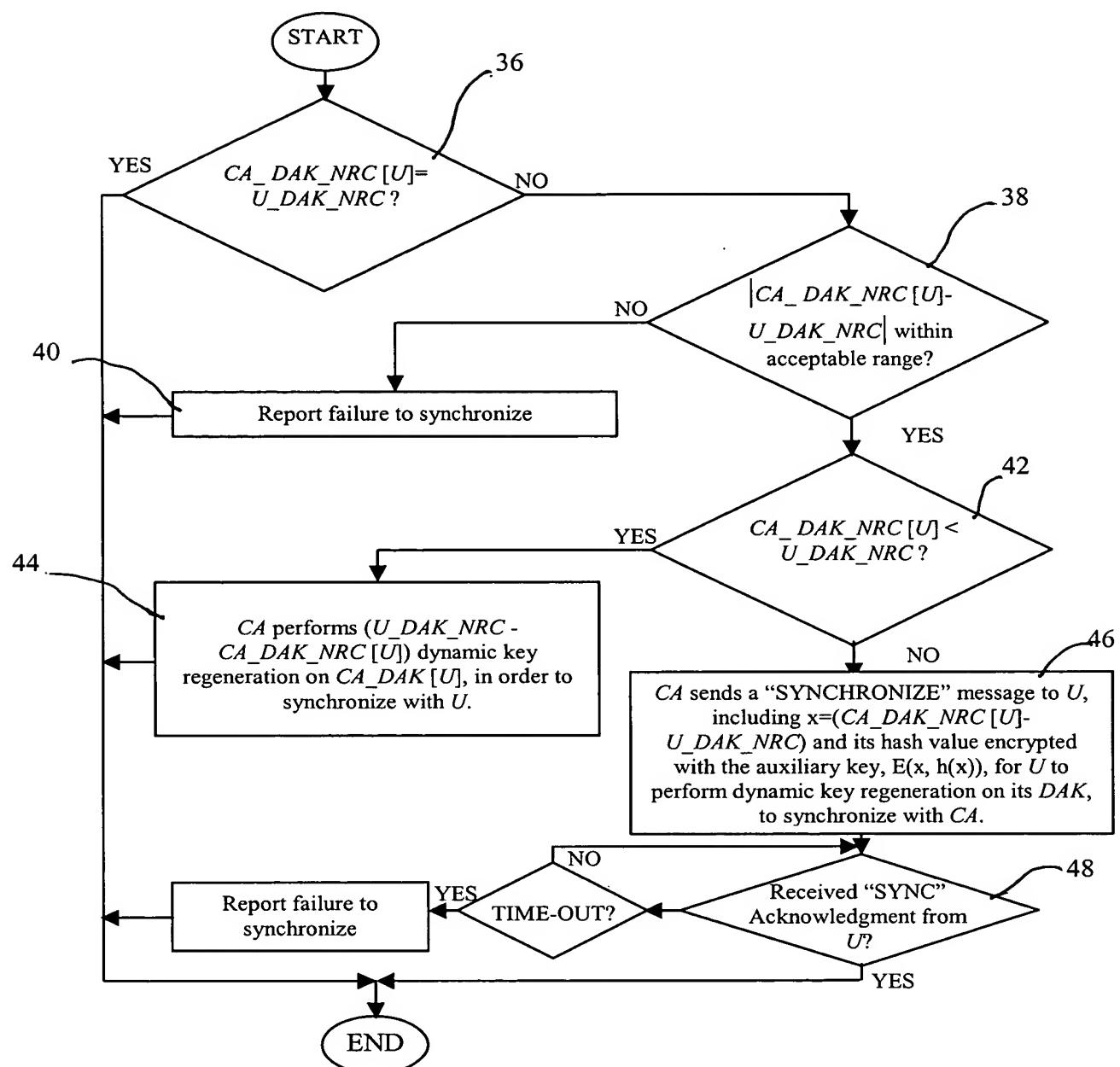


FIG. 7

CA generates nonce N and sends $(E_1(N), E_2(N))$ to U including "AUTHENTICATE" message (FIG. 14), where $E_1(N)$ and $E_2(N)$ are the encryption of N using $\text{Hash}_{CA_DAK[U]} \text{Vec}_1$ and $\text{Hash}_{CA_DAK[U]} \text{Vec}_2$, respectively.

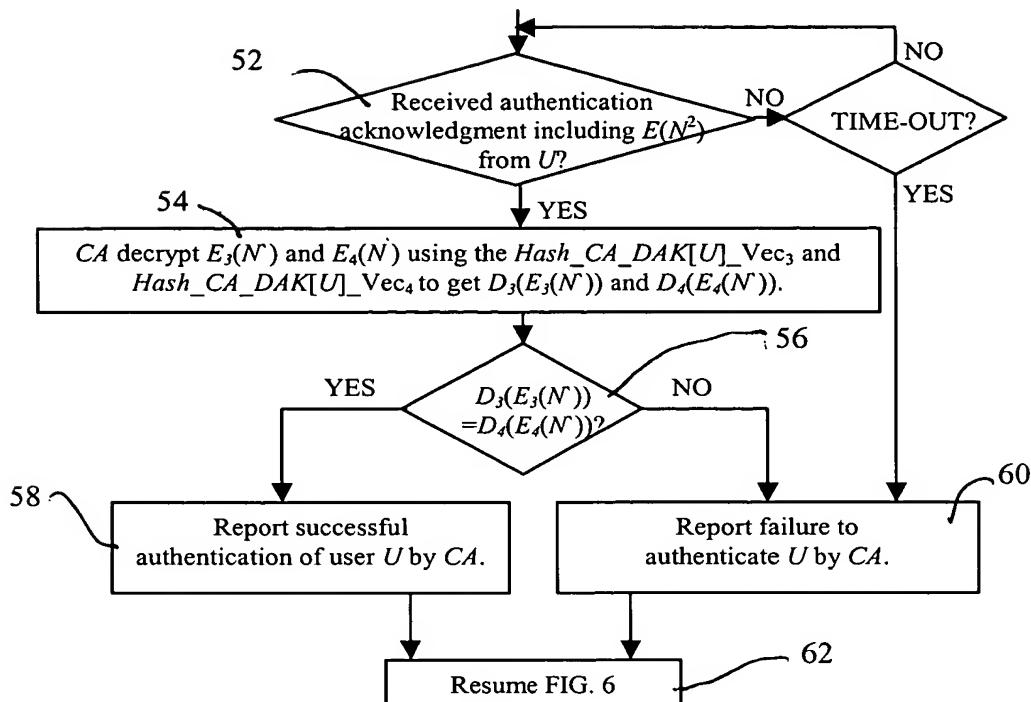


FIG. 8a

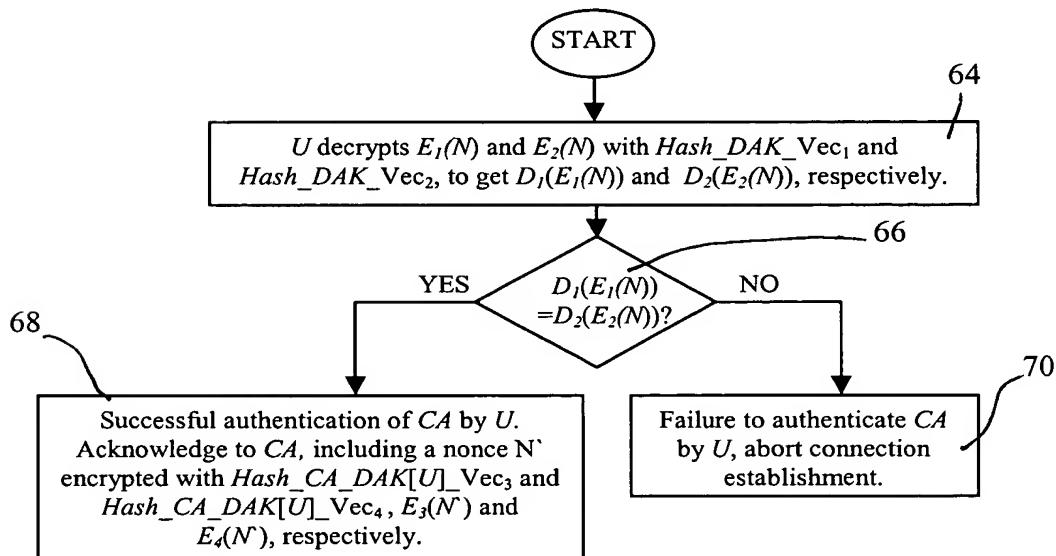


FIG. 8b

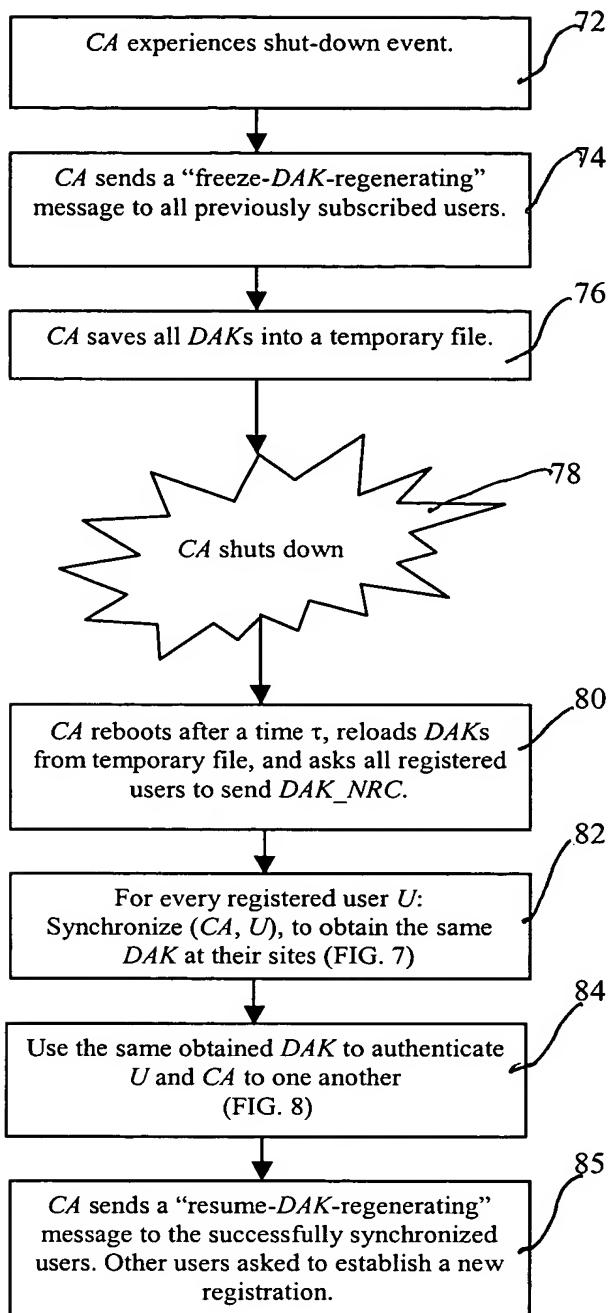


FIG. 9a

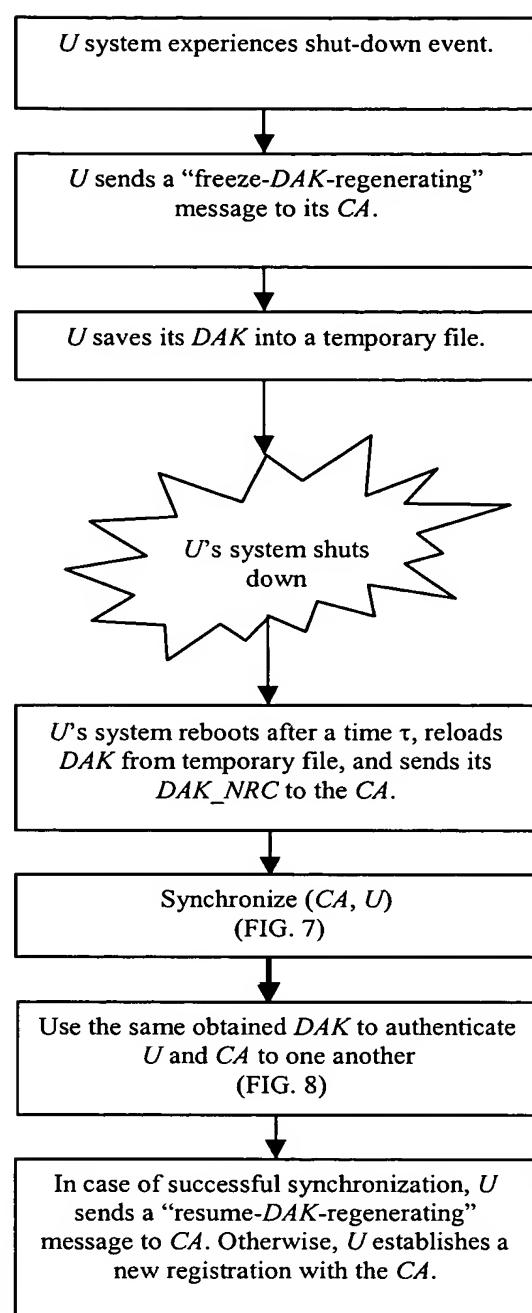


FIG. 9b

11/19

Handy Sudinan

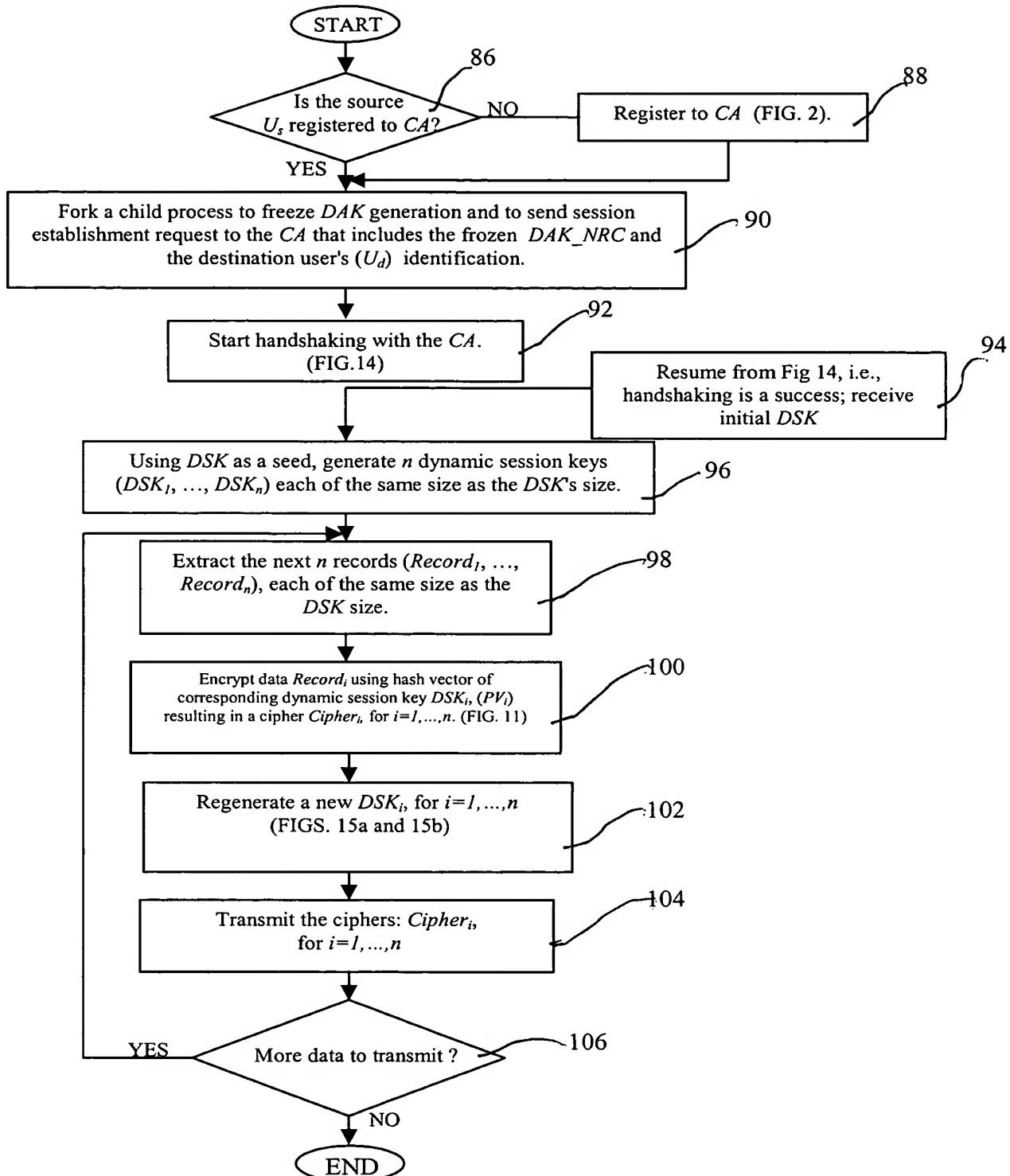


FIG. 10

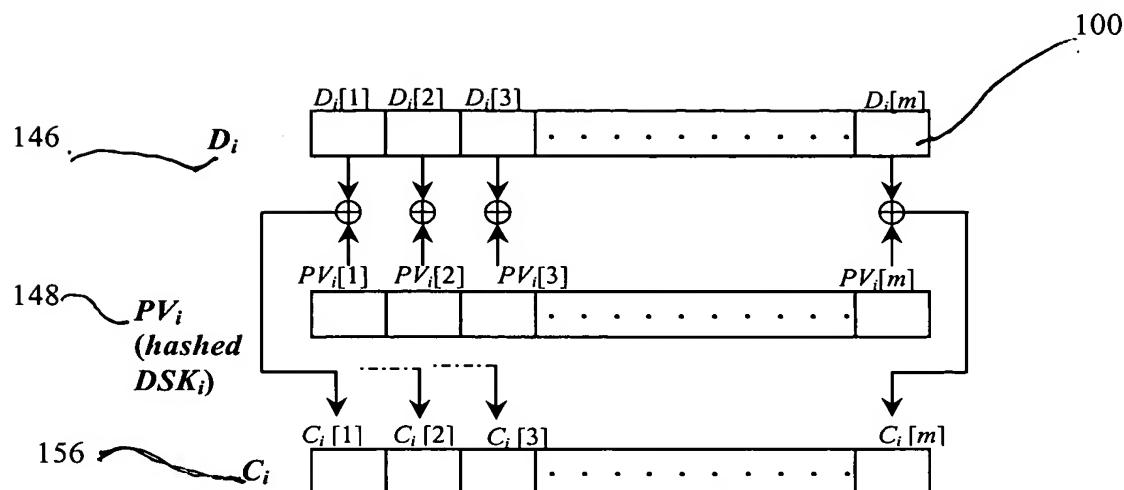


FIG. 11

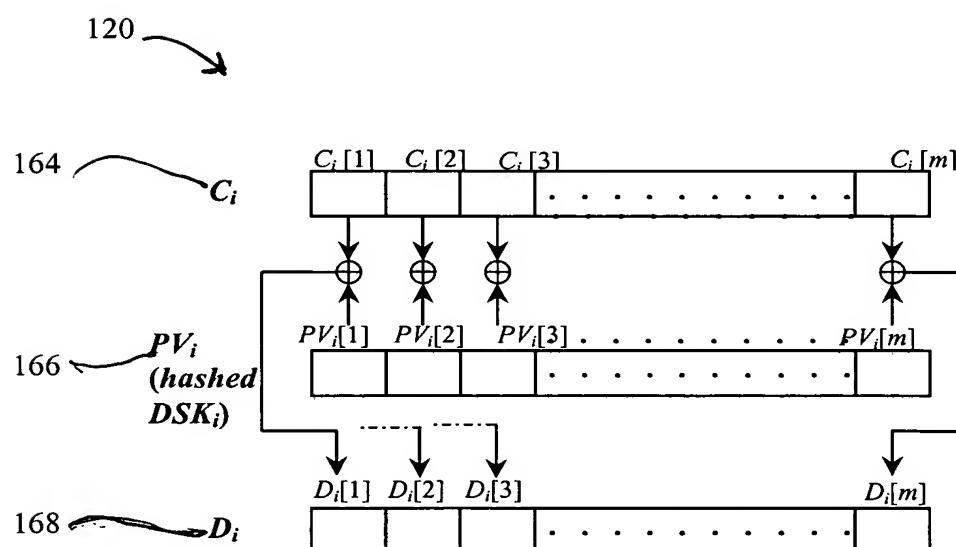


FIG. 13

13/19

Hamdy Soliman

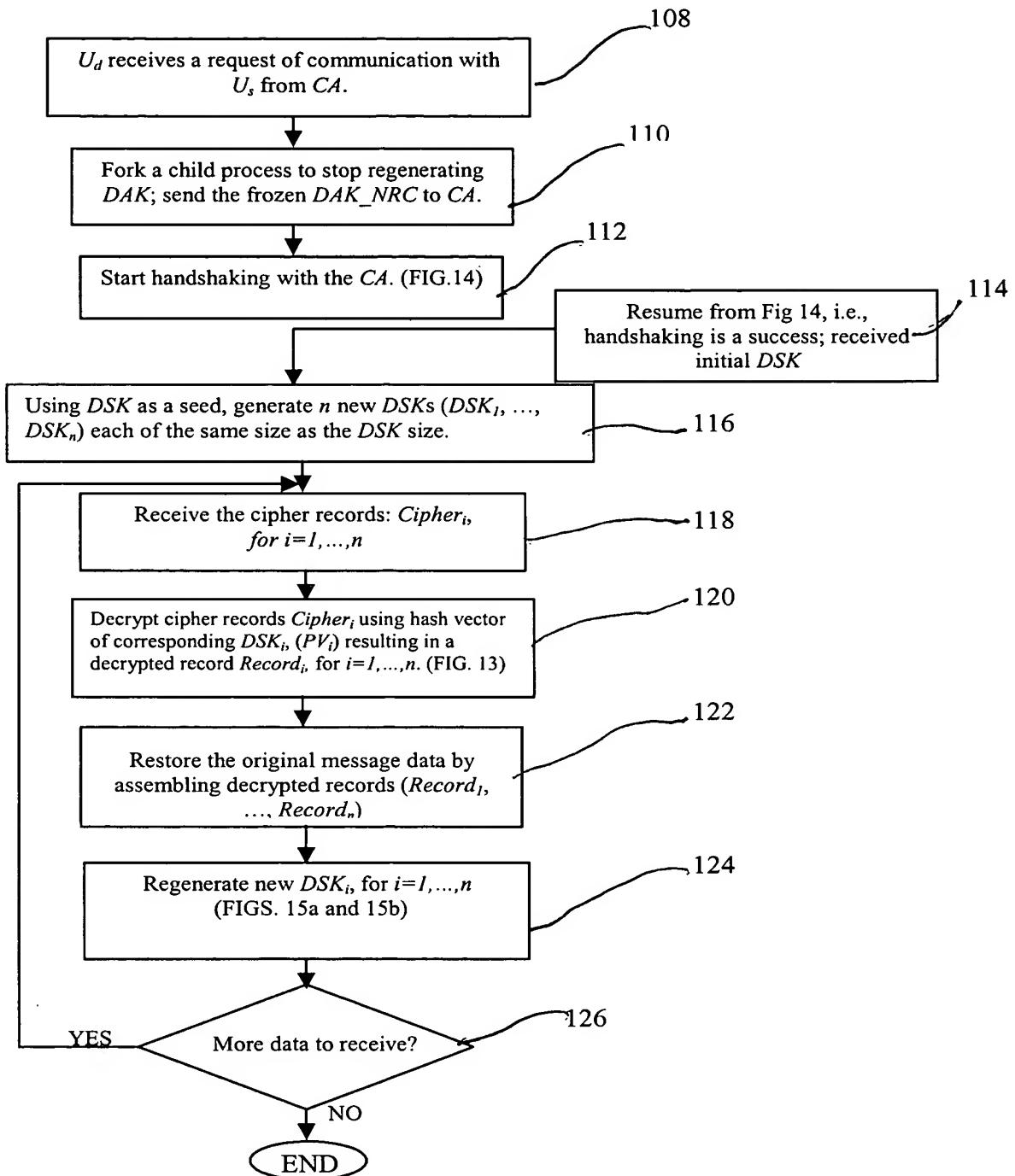


FIG. 12

14/19

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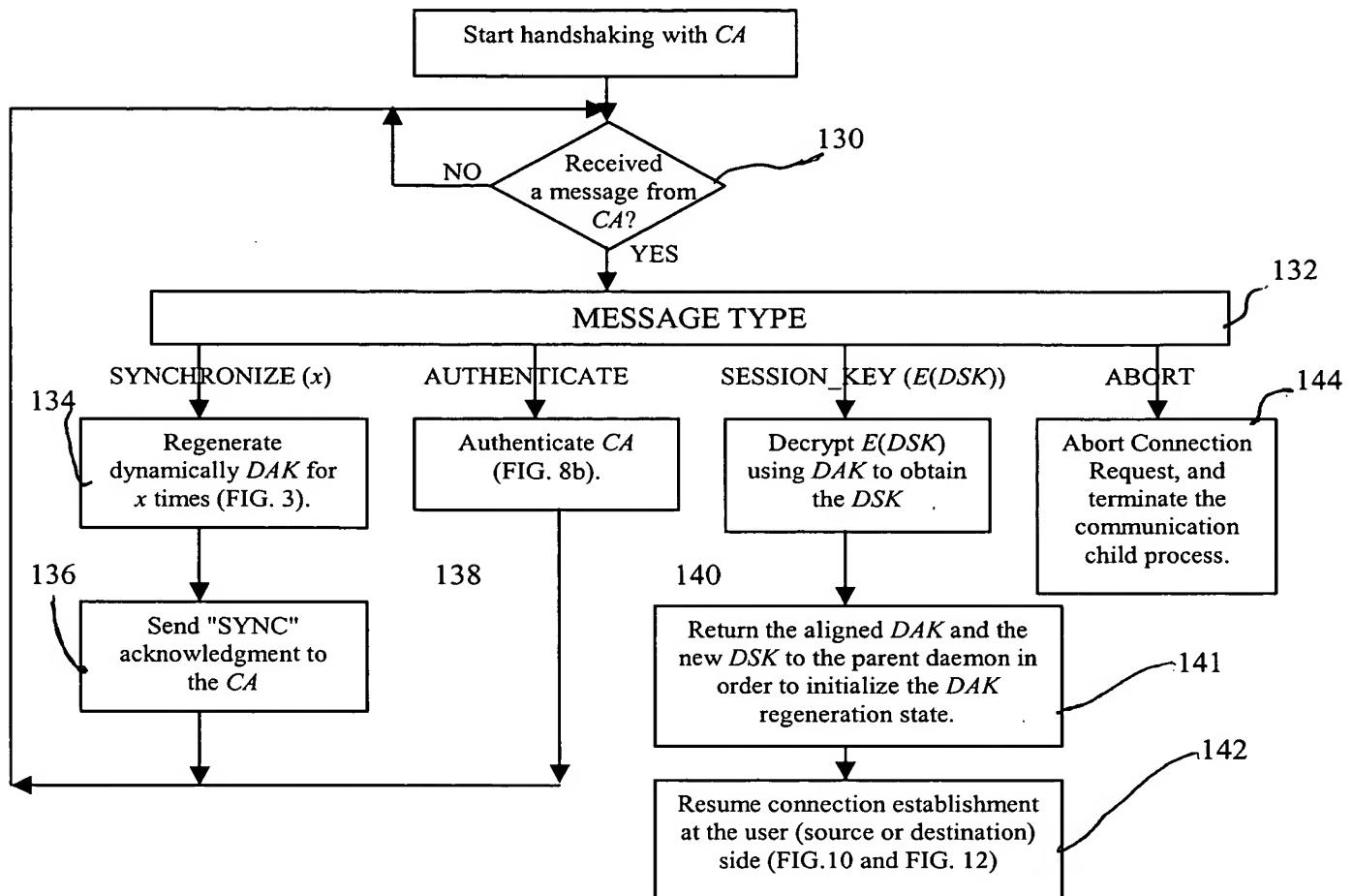


FIG. 14

15/a

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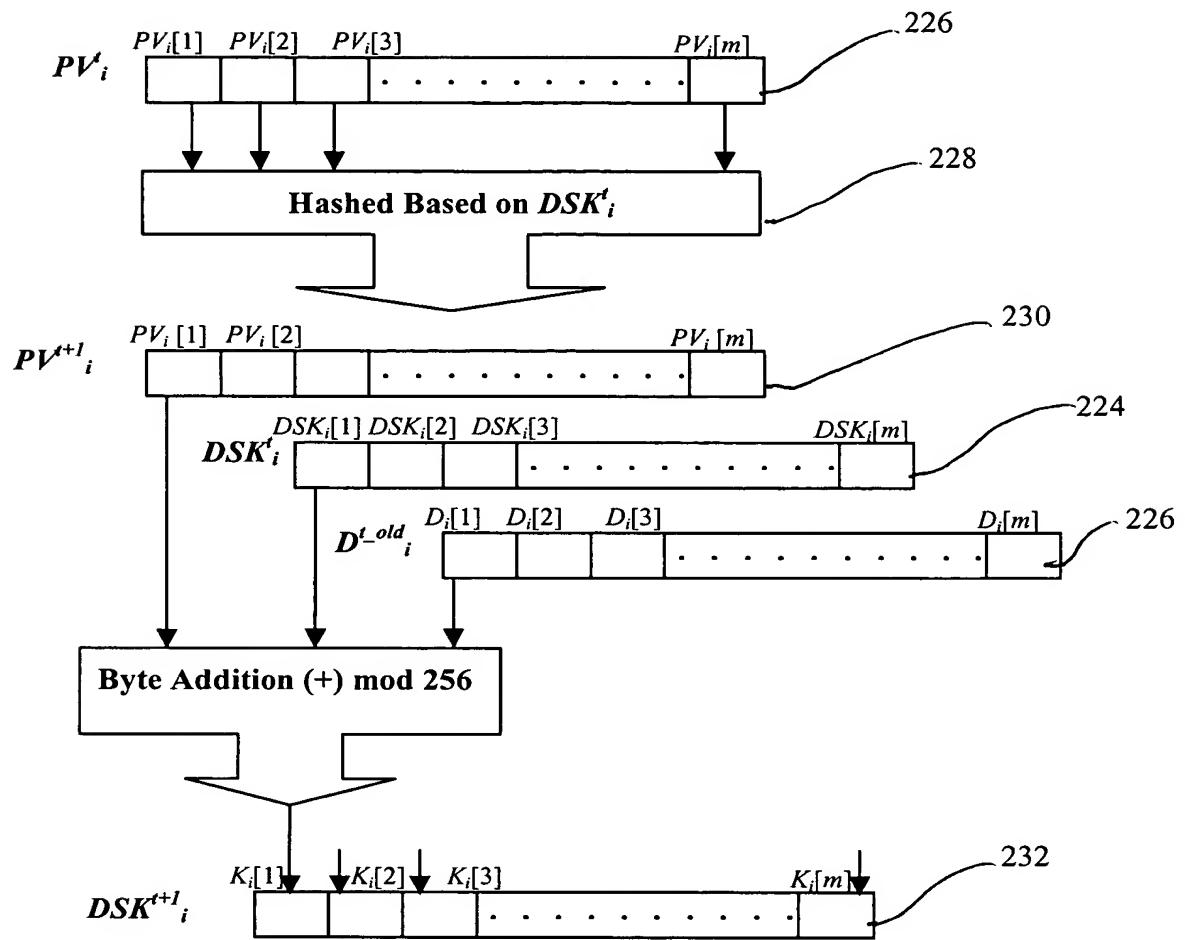
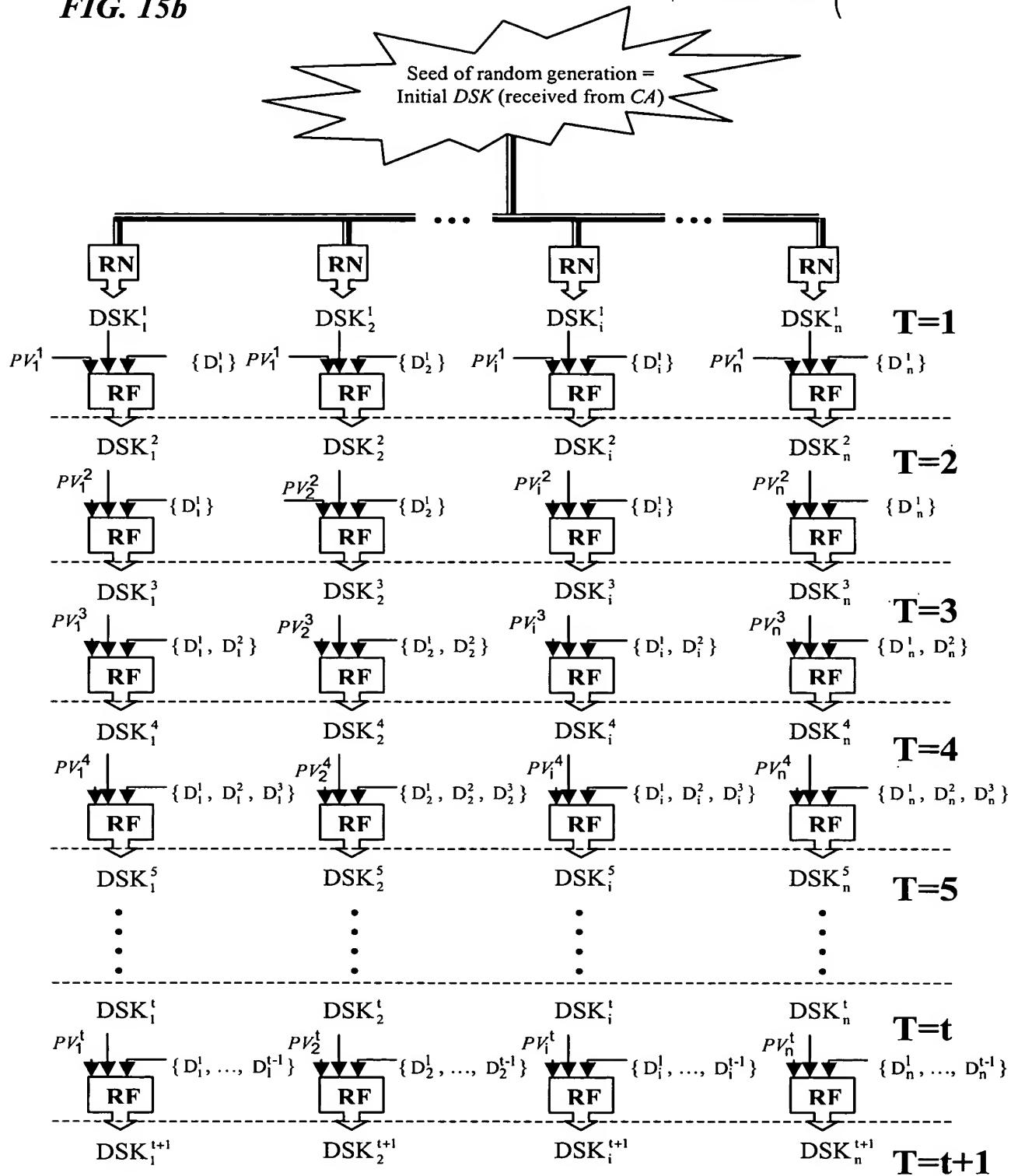


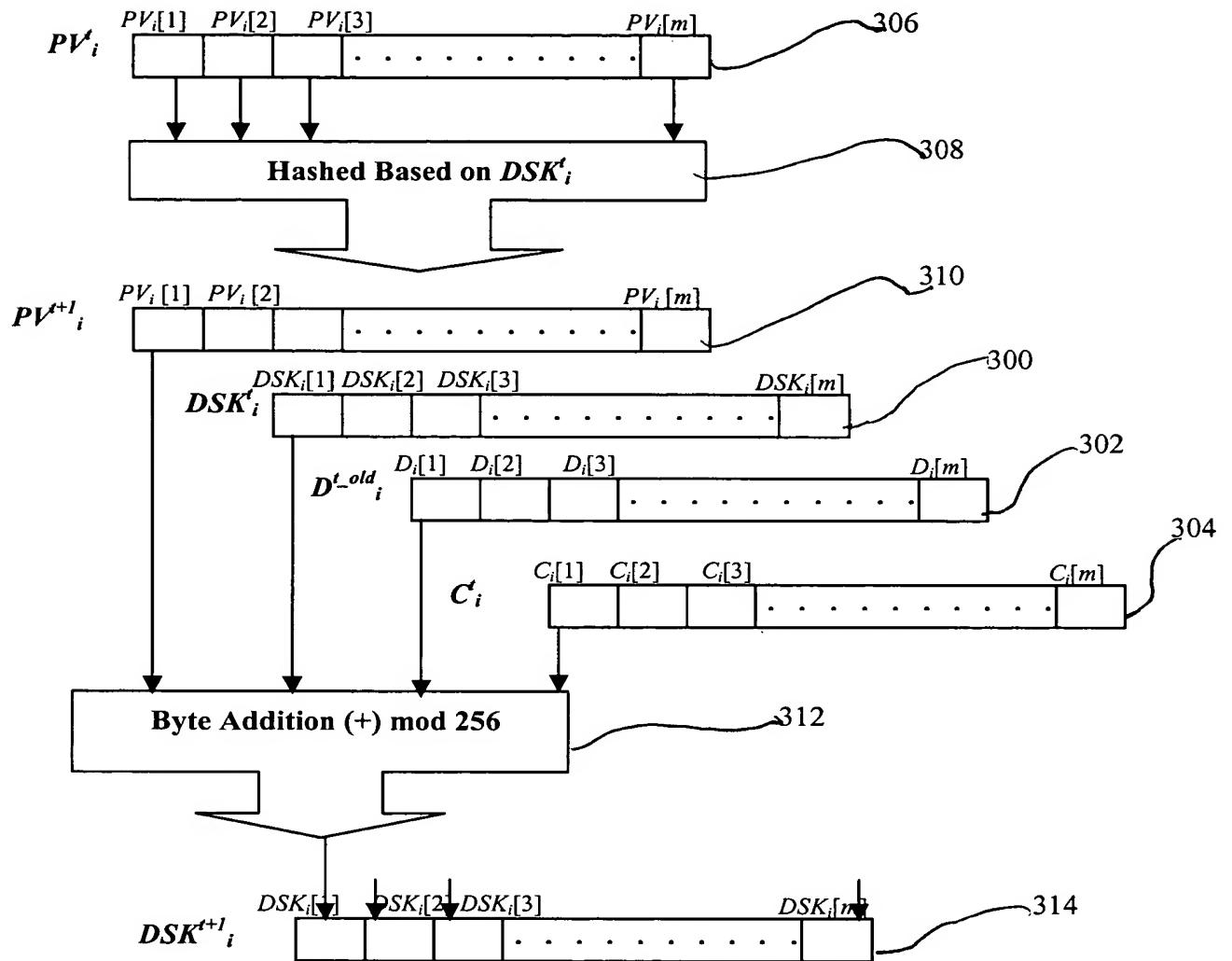
FIG. 15a

FIG. 15b

11/19

Handy Sisman



**FIG. 16**

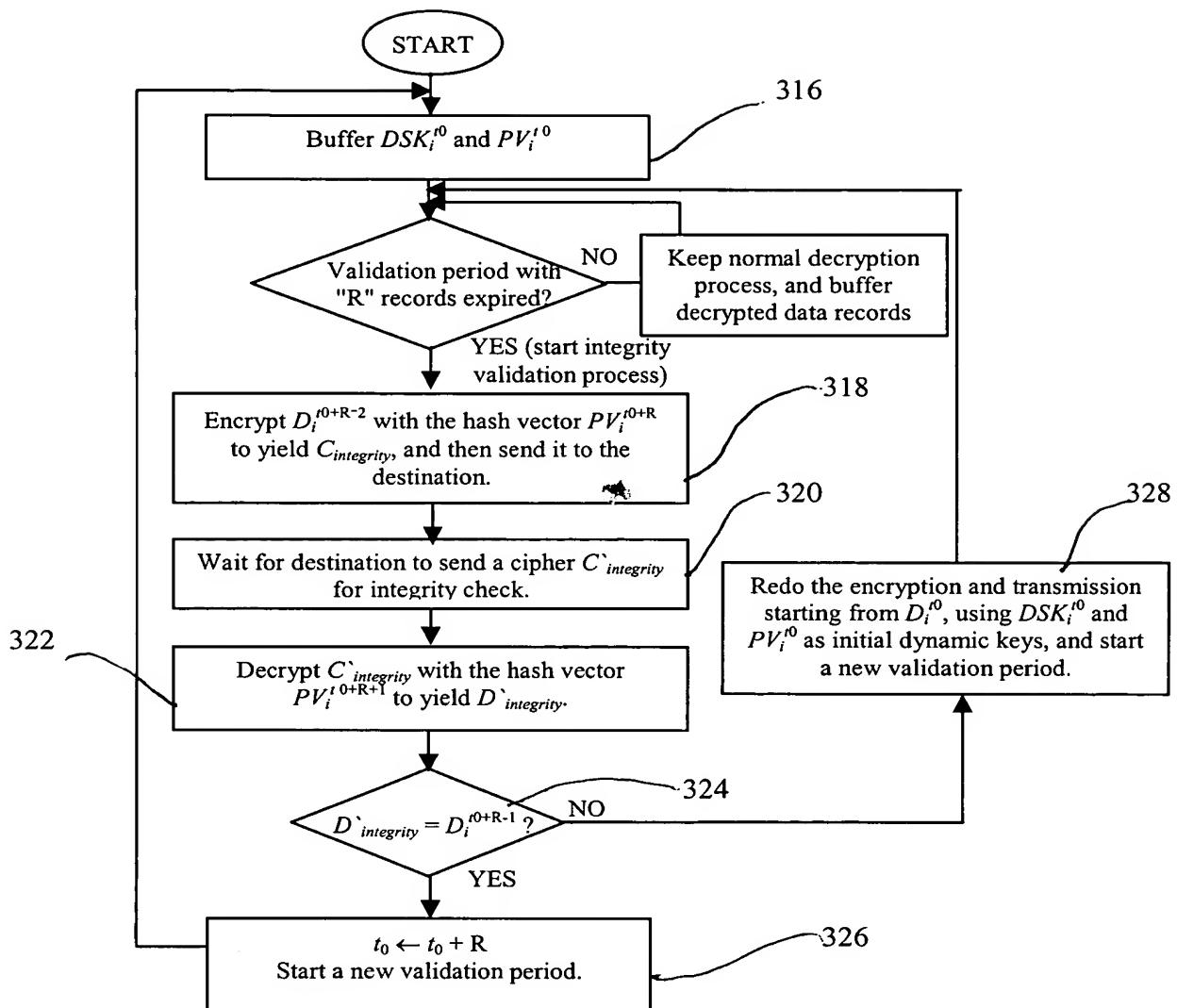


FIG. 17a

19/19

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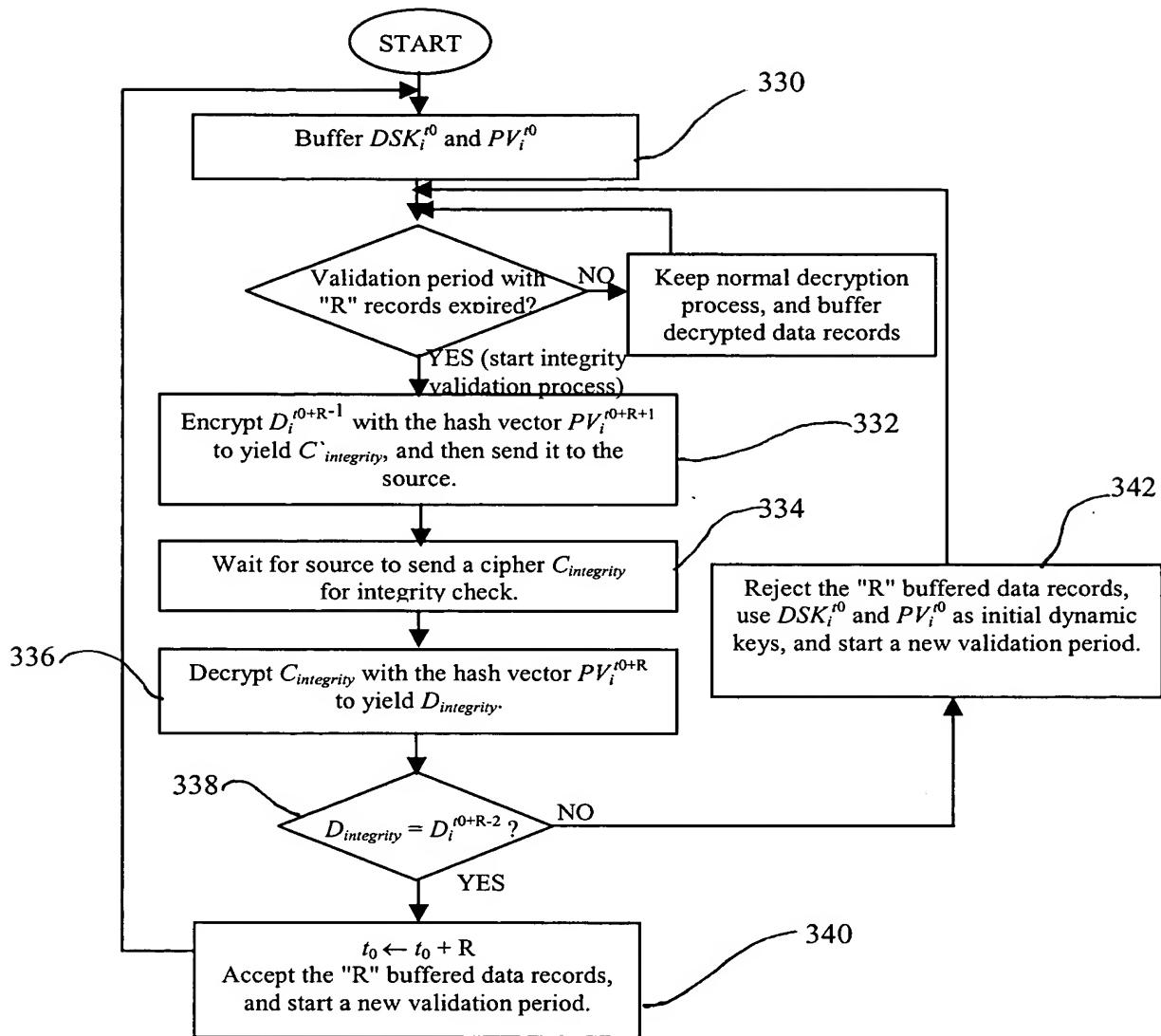


FIG. 17b